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complex <and> multiplication

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1 A complex-number multiplier using radix-4 digits

Wei, B.W.Y.; He Du; Honglu Chen;

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Pages:84 - 90

[PDF Full-Text (380 KB)] [Abstract]

2 Adaptation of the Mactaggart and Jack complex multiplication algorithm for floating-point operators

Cosentino, R.J.; Vaccaro, J.J.;

Computers, IEEE Transactions on , Volume: 41 , Issue: 10 , Oct. 1992

Pages:1324 - 1326

[PDF Full-Text (264 KB)] **IEEE JNL** [Abstract]

3 Efficient complex matrix multiplication

Fam, A.T.;

Computers, IEEE Transactions on , Volume: 37 , Issue: 7 , July 1988

Pages:877 - 879

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4 Fast algorithms for complex matrix multiplication using surrogates

Connolly, F.T.; Yagle, A.E.;

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5 A finite group of complex integers and its application to differentially coherent detection of QAM signals

Egri, R.G.; Horrigan, F.A.;

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6 A new implementation of complex number multiplier using RB representations

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10 Implementation of `multiply-add' FFT algorithms for complex and real data sequences

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14 Phase and amplitude phase restoration in synthetic aperture radar imaging

Soumekh, M.; Choi, J.-H.;

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Barazesh, B.; Michalina, J.-C.; Picco, A.;

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		period\$1).ti. or ((cycle\$1 or clock\$1 or period\$1).clm. or ((cycle\$1 or clock\$1 or period\$1)).ab.) and ((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.)) not ((((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.) and ((two or "2") adj (cycle\$1 or period\$1 or clock\$1))) and 708/\$2.ccls.) or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)) and (708/523,622,620.ccls. and (complex or ((real or re) and (imaginary or img)))))) not ((((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ti. or (("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ti. or (("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ab.) and ((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.)) not ((((multiplier\$1 or multiplication or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.) and ((two or "2") adj (cycle\$1 or clock\$1 or period\$1 or clock\$1)) and 708/622.ccls.) or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1 or clock\$1)) and 708/622.ccls.) or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)) and (708/523,622,620.ccls.) and (complex or ((real or re) and	US-PGPUB; EPO; JPO; DERWENT;	
		period\$1).ti. or ((cycle\$1 or clock\$1 or period\$1)).clm. or ((cycle\$1 or clock\$1 or period\$1)).ab.) and ((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.)) not ((((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.) and ((two or "2") adj (cycle\$1 or period\$1 or clock\$1)) and 708/622.ccls.) or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)) and (708/523,622,620.ccls. and (complex or ((real or re) and (imaginary or img)))))) not (((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ti. or (("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).clm. or (("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ab.) and ((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.)) not ((((multiplier\$1 or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.) and ((two or "2") adj (cycle\$1 or clock\$1 or period\$1 or clock\$1)) and (708/\$2.ccls.) or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1 or clock\$1)) and (708/\$2.ccls.) and (complex or ((real or re) and (imaginary or img)))))) and ("2" or	US-PGPUB; EPO; JPO; DERWENT;	
		period\$1).ti. or ((cycle\$1 or clock\$1 or period\$1).clm. or ((cycle\$1 or clock\$1 or period\$1)).ab.) and ((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.)) not ((((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.) and ((two or "2") adj (cycle\$1 or period\$1 or clock\$1))) and 708/\$2.ccls.) or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)) and (708/523,622,620.ccls. and (complex or ((real or re) and (imaginary or img)))))) not ((((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ti. or (("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ti. or (("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ab.) and ((multiplier\$1 or multiplication or multiplying or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.)) not ((((multiplier\$1 or multiplication or multiply) and complex and (real or re) and (imaginary or img) and 708/\$.ccls.) and ((two or "2") adj (cycle\$1 or clock\$1 or period\$1 or clock\$1)) and 708/622.ccls.) or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1 or clock\$1)) and 708/622.ccls.) or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)) and (708/523,622,620.ccls.) and (complex or ((real or re) and	US-PGPUB; EPO; JPO; DERWENT;	

			,	
-	0	((((((((cycle\$1 or clock\$1 or	USPAT;	2004/08/30
		<pre>period\$1)).ti. or ((cycle\$1 or clock\$1 or period\$1)).clm. or ((cycle\$1 or clock\$1</pre>	US-PGPUB; EPO; JPO;	15:15
		or period\$1)).ab.) and ((multiplier\$1 or	DERWENT;	İ
		multiplication or multiplying or	IBM TDB	
		multiply) and complex and (real or re)	_	
		and (imaginary or img) and 708/\$.ccls.))		
		not (((((multiplier\$1 or multiplication		
		or multiplying or multiply) and complex		
		and (real or re) and (imaginary or img) and 708/\$.ccls.) and ((two or "2") adj		
		(cycle\$1 or period\$1 or clock\$1))) and		1
		708/622.ccls.) or ((("2" or two) adj		1
		(cycle\$1 or clock\$1 or period\$1)) and		ļ
		(708/523,622,620.ccls. and (complex or		
		((real or re) and (imaginary or		(
		<pre>img)))))) not (((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)).ti. or</pre>		
		(("2" or two) adj (cycle\$1 or clock\$1 or		
		period\$1)).clm. or (("2" or two) adj		
,		(cycle\$1 or clock\$1 or period\$1)).ab.)		
		and ((multiplier\$1 or multiplication or		
		multiplying or multiply) and complex and		
		(real or re) and (imaginary or img) and 708/\$.ccls.)) not ((((multiplier\$1 or		
		multiplication or multiplying or		
		multiply) and complex and (real or re)		
		and (imaginary or img) and 708/\$.ccls.)		
		and ((two or "2") adj (cycle\$1 or		_
		period\$1 or clock\$1))) and 708/622.ccls.)		
		or ((("2" or two) adj (cycle\$1 or clock\$1 or period\$1)) and (708/523,622,620.ccls.		
		and (complex or ((real or re) and		
		(imaginary or img))))))) and ("2" or		
	_	two)) and complex) and 708/490.ccls.		
-	0	(((((((cycle\$1 or clock\$1 or	USPAT;	2004/08/30
		<pre>period\$1)).ti. or ((cycle\$1 or clock\$1 or period\$1)).clm. or ((cycle\$1 or clock\$1</pre>	US-PGPUB; EPO; JPO;	15:15
		or period\$1)/.ab.) and ((multiplier\$1 or	DERWENT;	
		multiplication or multiplying or	IBM TDB	
		multiply) and complex and (real or re)	_	·
		and (imaginary or img) and 708/\$.ccls.))		
		not (((((multiplier\$1 or multiplication		
		or multiplying or multiply) and complex and (real or re) and (imaginary or img)		
		and 708/\$.ccls.) and ((two or "2") adj		
		(cycle\$1 or period\$1 or clock\$1))) and		
		708/622.ccls.) or ((("2" or two) adj		[
		(cycle\$1 or clock\$1 or period\$1)) and		
		(708/523,622,620.ccls. and (complex or ((real or re) and (imaginary or		
		img))))))) not ((((("2" or two) adj		
	 	(cycle\$1 or clock\$1 or period\$1)).ti. or		
		(("2" or two) adj (cycle\$1 or clock\$1 or		
		period\$1)).clm. or (("2" or two) adj		
		(cycle\$1 or clock\$1 or period\$1)).ab.) and ((multiplier\$1 or multiplication or		
1		multiplying or multiply) and complex and		
1		(real or re) and (imaginary or img) and	(3)	
		708/\$.ccls.)) not ((((multiplier\$1 or		
		multiplication or multiplying or		
		multiply) and complex and (real or re)		
		and (imaginary or img) and 708/\$.ccls.) and ((two or "2") adj (cycle\$1 or		
- 7		period\$1 or clock\$1))) and 708/622.ccls.)		
1		or ((("2" or two) adj (cycle\$1 or clock\$1		.
		or period\$1)) and (708/523,622,620.ccls.		
		and (complex or ((real or re) and		
		(imaginary or img)))))))) and ("2" or two)) and complex) and 708/200.ccls.		
1		COMPACT AND CONCLEXE AND 7087700 CC18.	1	

	8	(((((((cycle\$1 or clock\$1 or	USPAT;	2004/08/30
		period\$1)).ti. or ((cycle\$1 or clock\$1 or	US-PGPUB;	15:16
		period\$1)).clm. or ((cycle\$1 or clock\$1	EPO; JPO;	
		or period\$1)).ab.) and ((multiplier\$1 or	DERWENT;	
		multiplication or multiplying or	IBM TDB	
		multiply) and complex and (real or re)	1011_100	
		and (imaginary or img) and 708/\$.ccls.))		
·		not ((((multiplier\$1 or multiplication		
		or multiplying or multiply) and complex		
		and (real or re) and (imaginary or img)	Ì	
•		and 708/\$.ccls.) and ((two or "2") adj		
		(cycle\$1 or period\$1 or clock\$1))) and		
		708/622.ccls.) or ((("2" or two) adj		
		(cycle\$1 or clock\$1 or period\$1)) and		
		(708/523,622,620.ccls. and (complex or		
		((real or re) and (imaginary or		
		img))))))) not ((((("2" or two) adj		
		(cycle\$1 or clock\$1 or period\$1)).ti. or		
		(("2" or two) adj (cycle\$1 or clock\$1 or		-
		period\$1)).clm. or (("2" or two) adj		
		(cycle\$1 or clock\$1 or period\$1)).ab.)	i	
		and ((multiplier\$1 or multiplication or		
		multiplying or multiply) and complex and		
		(real or re) and (imaginary or img) and		
		708/\$.ccls.)) not ((((multiplier\$1 or		•
		multiplication or multiplying or		
		multiply) and complex and (real or re)		
		and (imaginary or img) and 708/\$.ccls.)		
		and ((two or "2") adj (cycle\$1 or		
		period\$1 or clock\$1))) and 708/622.ccls.)		
		or ((("2" or two) adj (cycle\$1 or clock\$1		
		or period\$1)) and (708/523,622,620.ccls.		
		and (complex or ((real or re) and		
		1		
		(imaginary or img)))))))) and ("2" or		
*	-	two)) and complex) and 708/490-522.ccls.		
-	7	5896543.URPN.	USPAT	2004/08/30
				15:23
-	24	("4164787" "4439839" "4574345"	USPAT	2004/08/30
		"4641238" "4754394" "4800524"		15:23
		"4809217" "4908748" "5010476"		
		"5056000" "509941 7 " "5151979"		
		"5187795" "5274789" "5280532"		
		"5317572" "5325489" "5361370"		
		"5390304" "5404522" "5423010"		
		"5438666" "5471607" "5608885").PN.		

j